ABSTRACT

A barium titanate powder and a method for producing the same are provided.

The barium titanate powder comprises a perovskite structure having a ratio c/a of 1.008 or more and ratio d/D of from 1 to 1.5, wherein "c" is a length of the c axis, "a" is a length of the a axis in the perovskite structure, "d" is an average particle diameter and "D" is a equivalent specific surface area diameter.

The method of producing a barium titanate powder, comprises the steps of:

(1) heating a mixture containing a titanium compound and a barium compound under a gas atmosphere containing a halogen at a temperature of not less than about 200℃ and less than the temperature for generation of barium titanate,

(2) calcining the obtained mixture under an atmosphere containing substantially no halogen at a temperature of not lower than the temperature for generation of barium titanate.